

Lake District National Park

Forecast valid from 00:00 on Friday 07 Jan 2022 until 23:59 on Saturday 08 Jan 2022

Forecast Issued on Thursday 06 Jan 2022 at 16:05

Confidence: High largely unsettled and changeable, but lowering confidence in the details of worst of conditions.

Headline for Friday 07 Jan 2022: Frequent wintry showers dying away later Friday.

Mountain weather hazards on Friday 07 Jan 2022

Blizzards

Low Likelihood

Gales

Low Likelihood

Thunderstorms

Low Likelihood

Heavy Snow

No Likelihood

Severe chill effect

High Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Low Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Light snow showers (night)	Heavy snow showers (night)	Light snow showers (night)	Heavy snow showers	Light snow showers	Light snow showers	Light snow showers (night)	Partly cloudy (night)
Precipitation probability							
70%	50%	60%	70%	60%	50%	30%	10%

Forecast for Friday 07 Jan 2022

Weather: A day of showers, these wintry to all but lowest levels, frequent and heavy at times overnight, during the morning and early afternoon, bringing the risk of thunder and hail to western peaks. Outbreaks gradually dwindling thereafter.

Chance of cloud free mountain/hill tops above 800m: 60% for any given time but limited scope for prolonged clear periods due to the showery nature of the flow.

Visibility: Good or very good, sporadically moderate to very poor in showers, only a few metres in hill fog with bases lowering 300-450m as showers push through.

Forecast for Friday 07 Jan 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	39/47 W	36/44 W	35/43 W	34/41 W	32/40 W	28/35 NW	27/33 NW	20/24 W	18/22 S
600	35/46 W	29/39 W	27/36 W	29/40 W	28/37 W	23/31 NW	22/29 W	17/24 W	13/18 SW
300	14/34 W	12/32 W	10/29 W	11/30 W	12/30 W	10/26 NW	8/22 NW	5/16 W	3/13 S
Valley	12/33 W	11/30 W	12/30 W	12/30 W	13/29 W	11/26 NW	9/23 NW	6/16 W	4/12 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-13	-4/-14	-5/-15	-4/-14	-4/-14	-4/-13	-4/-13	-4/-11	-3/-10
600	-1/-10	-1/-10	-2/-10	-2/-11	-2/-10	-2/-9	-2/-9	-2/-8	-1/-7
300	1/-4	1/-4	1/-4	0/-4	1/-4	0/-4	0/-4	-0/-3	0/-2
Valley	3/-2	3/0	3/-1	3/-1	4/-1	2/-2	3/-1	3/0	3/1
Freezing Level*	400m	300m	200m	200m	300m	300m	300m	300m	400m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Risk of blizzard condition at first across higher peaks in frequent showers.

Forecast for Saturday 08 Jan 2022

Weather: Snow spreading from the west overnight, soon turning to rain below 700m come dawn. Clearing to showers during the afternoon, with snow level lowering around 300m during the evening.

Maximum wind: South to southwest increasing mean 30-35mph for the morning, with gusts reaching 50mph across more exposed ridges and summits, before easing from mid-day.

Chance of cloud free mountain/hill tops above 800m: By day 10% or less lifting 70% as the showers spread in later.

Visibility: Good or very good, becoming moderate or poor in rain, very poor in snow and only a few metres in hill fog, with bases becoming extensive above 300-450m on the front, then sporadically so in later showers.

Temperature: **Valleys:** Zero Celsius increasing plus 7 Celsius for the afternoon
At 800m: Minus 3 Celsius increasing plus 1 for a time during the morning
Freezing level: 200-400m increasing around 900m for a time during the morning

Ground Conditions Supplement

Date: Thursday 6 January. Location: Fairfield summit - 873m at 11:45 Full report; This report comes with a health warning in that it was snowing as the Assessor left the hill and also the Lake District is under 2 Yellow Met Office weather warnings for both snow and ice from 8pm on Thursday to midday on Friday so walkers out on Friday should expect and be prepared to encounter more snow than experienced and described here. A bleak day on the Lakeland Fells with those walkers sensibly not leaving the valleys not missing much!! Fresh snow/sleet had fallen to valley level although by early this afternoon this had turned to rain below c200m and it was thawing below c350m. Below c500m the snow was soft and wet whilst above this height the snowpack was soft and powdery. As the freezing level probably drops overnight, these differing conditions will affect the amount of ice that could be present on paths. Today, the fresh snow was obscuring patches of ice on paths making them treacherous, especially in descent. The fresh snow was being deposited on a southerly wind. On Fairfield's summit plateau (870m), the wind was a fairly consistent 30mph with the snow only settling against obstacles and in hollows with the average depth at this altitude at midday of only 2cm. The deepest drifts on north facing slopes were c20cm. With a summit temperature at midday of minus 4 and the summit windchill (what the temperature feels like) at minus 15 degrees, full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment - including torch, map & compass and the ability to use them in limited visibility (especially when the snow obscures landmarks) are all essential for anyone venturing out onto the high fells. Owing to the amount of biting spindrift/hail being blown about, goggles are also highly recommended. Microspikes and walking poles are helpful to stay upright given the amount of ice on paths. For those out on Friday and attempting, or traversing, steep exposed routes crampons and ice axe may well be essential and should definitely be carried. Temperature: minus 3.7 C, Maximum wind speed 34.2 mph, Wind chill: minus 14.9C, Average wind speed: 30.3 mph

Issued at: 1605 on Thu 06 Jan 2022